

Product code: 419977

## DOMOPOL 5110 50% ND

### Saturated Polyester Resin

**Specification:**

Property	Range	Method / According to standard
Non-volatile matter	49 - 51%	MH1155 / ISO 3251
Acid value on solid resin	8 - 10 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	16 - 24 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 °C	4700 - 6000 mPa·s	MH1007 / ISO 3219
Colour	max. 5 Gardner	MH1124 / ISO 4630

**Typical properties:**

Property	Value
Solvent ratio	Aromatic solvent 150 ND / Aromatic solvent 200 ND / MP = 32 / 10 / 8
Density	1.1 kg/L
Molecular weight	6000
Flash point	41 °C
Hydroxyl content on solid	0.6%
Tg	50 °C

**Solubility:**

- » Soluble in Isophoron, Methoxy propyl acetate.
- » Limited solubility in Aromatic solvent 100, Aromatic solvent 150 (ND) and Aromatic solvent 200 (ND), Diacetone alcohol, n-Butanol.

**Compatibility:**

Domopol 5110 50% ND is compatible with amino resins and blocked polyisocyanate resins.

**Applications:**

- » Domopol 5110 50% ND is intended for can coatings: aerosol cans, collapsible tubes with sterilization resistance.
- » Optimum film properties can be achieved with the polyester resin/benzoguanamine resin in a ratio 90/10 to 70/30.
- » The excellent adhesion to aluminium makes this resin very suitable for aluminium aerosol cans.

**Storage:**

The resin should be stored indoors in its original, unopened and undamaged container in a dry place at storage temperatures below 35 °C, for up to 12 months. Exposure to direct sunlight should be avoided.

**Note:** The information contained herein is provided in good faith and is to the best of our knowledge accurate, but we assume no liability for its accuracy or completeness. Therefore, the buyer is advised to determine the suitability of this product for the intended use. We retain the right to make any changes according to technological progress or further developments. For safety information please refer to the current Material Safety Data Sheet.

**Edition:** June 2023

**Helios TBLUS, d.o.o.** | Količevo 65, 1230 Domžale, Slovenia | T +386 1 722 40 00  
info@resinshelios.com | [www.resinshelios.com](http://www.resinshelios.com)  
Part of KANSAI PAINT.